

WHAT IS CLAIMED IS:

1. An optical pickup actuator circuit comprising:

a lens holder supported so as to be slidable along a support shaft and rotatable around said support shaft and for holding an objective lens so that said lens forms an image of a light beam on a desired track on an information recording surface of an optical disk;

a focusing coil attached to said lens holder; and

a focusing magnet fixedly disposed so as to be opposite to said focusing coil;

wherein two diodes are parallel-connected to said focusing coil so that an input voltage not lower than a predetermined voltage is led to the ground by said two diodes.

2. An optical pickup actuator circuit comprising:

a lens holder supported so as to be slidable along a support shaft and rotatable around said support shaft and for holding an objective lens so that said lens forms an image of a light beam on a desired track on an information recording surface of an optical disk;

focusing and tracking coils attached to said lens holder;
and

focusing and tracking magnets fixedly disposed so as to be opposite to said focusing and tracking coils respectively;

wherein a semiconductor device is provided at each of said coils so that an input voltage not lower than a predetermined

voltage is led to a ground by said semiconductor device.

3. An optical pickup actuator circuit according to Claim 2, wherein said semiconductor device includes two diodes which are parallel-connected between an input end and a ground side of said coil.

4. An optical pickup actuator circuit, comprising:
a lens holder for an objective lens which is freely movable in a vertical direction that moves apart from or toward tracks of an optical disk and in a direction that moves across the track;

focusing and tracking coils attached to said lens holder;

focusing and tracking magnets fixedly disposed so as to be opposite to said focusing and tracking coils, respectively; and

diodes connected to one of said focusing and tracking coils for leading an input voltage of a predetermined voltage or more to a ground side.

5. The optical pickup actuator circuit according to claim 1, wherein said diodes comprise Zener diodes.

6. The optical pickup actuator circuit according to claim 4, wherein said diodes comprise Zener diodes.